

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

Source:

Date Processed by STIC:

10/574,469
EFS
4-17-06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/574,469

DATE: 04/17/2006
TIME: 12:29:11

Input Set : A:\SQ-AIA-113.ST25.txt
Output Set: N:\CRF4\04172006\J574469.raw

3 <110> APPLICANT: Aoki, Hirofumi
4 Kodama, Tatsuhiko
5 Hasegawa, Kiyotaka
6 Kajiya, Kentaro
7 Ishimatsu, Yumiko
8 Ogou, Masashi
9 Yoshida, Seiichi
10 Kishimoto, Jiro
11 Moro, Osamu
12 <120> TITLE OF INVENTION: Methods for Predicting Skin Stain Formation and for
Screening
14 Agent Capable of Inhibiting Skin Stain Formation by Means of
15 Promoted Genes in Stained Regions as an Indicator
17 <130> FILE REFERENCE: AIA-113-PCT
C--> 19 <140> CURRENT APPLICATION NUMBER: US/10/574,469
C--> 19 <141> CURRENT FILING DATE: 2006-03-31
19 <150> PRIOR APPLICATION NUMBER: JP 2003-343549
20 <151> PRIOR FILING DATE: 2003-10-01
22 <150> PRIOR APPLICATION NUMBER: JP 2003-344786
23 <151> PRIOR FILING DATE: 2003-10-02
25 <160> NUMBER OF SEQ ID NOS: 7
27 <170> SOFTWARE: PatentIn version 3.3
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 758
31 <212> TYPE: DNA
32 <213> ORGANISM: Mouse
35 <220> FEATURE:
38 <400> SEQUENCE: 1
W--> 39 aaacntttt cgtggcacag ctctctccct aggcgtgaga ctccggtcc ttcactatga 60
41 gacttctagc cctttccggt ctgctctgca tgctgtcct ctgtttctgc attttctcct 120
43 cagaagggag aagacatcct gccaaagtcc tgaaactcag gcgctgctgt cacctatctc 180
45 ctgatccaa gctgacaacc tggaaaggaa accacacaag gccctgcaga ctctgcagaa 240
47 acaagctacc agtcaagtca tgggtggtgc ctggggctct cccacagata tagggcctcc 300
49 tccgcccaga tgaagcgttg atgccagat gtggagacac cagaagcata cacactatgt 360
51 tgccttgccc cttgccaatg agctgtgaca ctggaatgct tcacttcaga catcagggcg 420
53 gatggattgc agaattccaa gtcctcattc caaaggtgct accaaccttc agagtcacta 480
55 aggtccaggc tcagcccaca agtcaccatg gtcctccag agtaaaagtc caagattcca 540
57 cctgtgggag ctacagatcc agagacttcc aagctgacta gagtgcagag aagcaagacc 600
59 tcagtgtgat cagccgagac tacagcatct tgggaacctc cagtcagccc caaaccccta 660
61 acacttaacc actggtctcc aaaccaacac ctgtaacttc ctaatgaaat catcaggagg 720
63 ataccaaaag aaataaacca taaatcagca tacacacg 758
66 <210> SEQ ID NO: 2
67 <211> LENGTH: 2063
68 <212> TYPE: DNA

Handwritten notes:
Dres Not Comply
Corrected Diskette Needed
(PS.1)
see error explanation on
pages 5, 6

Handwritten marks:
15
plain
V''
LHm

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/574,469

DATE: 04/17/2006
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Input Set : A:\SQ-AIA-113.ST25.txt
Output Set : N:\CRF4\04172006\J574469.raw

69 <213> ORGANISM: Homo sapiens

71 <400> SEQUENCE: 2

72	ctctgccc	at	tgggaa	acac	ctctctatga	ctctataaat	gtccaagg	gtg	gccccaa	agg	60
74	aggactt	ctg	cagcac	agct	ccctcccc	ag	gacgtg	aaaa	tctgcctt	ct	120
76	cttctag	tcc	tttccag	cct	gtctctg	tac	ctgctt	ctct	gttctcc	at	180
78	gaaggga	aaga	ggcgtc	ctgc	caaggc	ctg	tcaggc	agga	gaaccag	gct	240
80	cgagtc	cccta	gccccaa	actc	aacaaa	ccctg	aaaggac	atc	atgtgag	gct	300
82	tgcaag	cttg	agccag	agcc	ccgcctt	tgg	gtggtg	ctg	gggcact	ccc	360
84	cactcc	caaaa	gcaagac	tcc	agacag	cgg	gaacct	catg	cctggc	ac	420
86	gcagc	ctcct	gtctccc	ctt	tcagc	cttca	cagcag	tga	ctgcaat	gtt	480
88	atctcg	ggct	gcaagg	accc	tgggaa	aggt	ccaga	aactc	acgtc	ctt	540
90	ccatca	aactt	tcagag	ctat	catgag	ccaa	cctcag	cctt	ccgag	tag	600
92	gtgtgc	gcca	ccacacc	cg	ctaatt	ttttg	cttttt	tttt	tttgag	aca	660
94	ctgttg	ctca	ggctgg	agtg	gagtg	cagtg	gcacg	atctc	agctc	act	720
96	tcccgg	gttc	aggag	attct	cctgac	tcaa	cctcct	gag	agctg	gg	780
98	gccact	atgc	ctagct	aatt	tttgtat	ttt	tagtgg	agac	ggggtt	ttg	840
100	ggggtg	gtct	cgaact	ctctg	acctca	agtg	atccacc	cg	atcg	cccc	900
102	ggattat	agg	cgtga	accac	cgcgc	ctgtc	ccattg	ttgt	gtaatt	ttta	960
104	tttaagt	act	tgatttt	atg	ggcctat	ttt	tgtggg	atga	ttggag	ttta	1020
106	cttctc	atgt	gtttag	tttg	gtaag	ataac	ttcttt	aaat	tcatg	tttt	1080
108	ggtagt	gagg	gaaag	atctt	aatcag	tatt	ttggt	aatta	actg	attg	1140
110	tgagac	atca	tgaact	tcag	tggtt	attga	tatttc	agg	tata	acctg	1200
112	aggata	caga	tttctc	at	cattc	tttgg	tctttc	at	ctct	atatac	1260
114	tgacac	ttct	gggagg	cagt	agaag	cagga	agtca	atg	ttgag	tagag	1320
116	cctcag	gctg	tcattg	atca	gtgaca	at	ataaaa	acaa	actg	caaag	1380
118	tggctg	cctg	cttcct	tagaa	ggagcc	atg	aagg	ttaa	ctg	tggtg	1440
120	gcgcgg	ggcg	tgggtg	gctca	cgcctg	ta	cctag	cac	ctg	ggag	1500
122	atcacc	cgag	gtcagg	agtt	tgagg	attg	caagc	aaa	ag	gtc	1560
124	cagata	ccca	gcagt	gcaga	ggctag	ctgt	ggaag	gtt	ag	tgga	1620
126	tatgc	cttgc	cttact	ttgtc	accatt	gaga	tttcc	agaga	aatg	ggc	1680
128	acaaca	acag	cagaa	agcaa	aatac	attaa	ctta	aggtt	g	aca	1740
130	accatg	tttt	ccaacca	aacc	agttat	tcgt	ggta	ata	aa	ata	1800
132	tataa	tttt	aaggaa	actg	tgtact	ttta	aaatc	ttct	tatg	aat	1860
134	gtaat	cctgc	tccatt	aaat	gcagc	attgt	tgtc	aggtg	tg	cct	1920
136	cattg	ggctt	ttaaat	gtct	gcaga	atctc	tgcg	ttcg	aa	ggga	1980
138	ctggt	actgt	aatgaa	aaata	aggtc	tgctc	aacac	ag	ta	acgt	2040
140	aaaaaaaa	aaaaaaaa	aaa								2063

143 <210> SEQ ID NO: 3

144 <211> LENGTH: 742

145 <212> TYPE: DNA

146 <213> ORGANISM: Rat

148 <400> SEQUENCE: 3

149	ttttttt	gtg	ccactg	cttc	ctctc	tagcc	gtgag	actcc	agctac	ttca	ctatg	cgact	60
151	tctcacc	ctc	tccggt	tttgt	tcttc	atgct	gttct	ctctg	cttc	ctc	gaga		120
153	agggaga	aag	cgtc	ctgcca	agttccc	gaa	actcag	gcct	gctgt	catct	atctc	ctaga	180
155	tccaaac	caa	taactg	gaaa	ggaaac	caca	caagacc	ctg	cagacc	atgc	agaa	agctag	240
157	aatcca	attc	atgggg	gtgt	gcctgg	ggt	ctccc	acaga	tatagg	gcct	cccga	agctg	300
159	gcctcc	accg	agatg	aaacg	ttgat	gtcca	gttat	ggaga	caacct	ctctg	gccct	acca	360
161	accttc	atg	cgaa	agct	gtgac	accag	aatgtt	tcac	ttcag	acagc	tgaag	gatta	420

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```

163 cagaattcca agcctcgtt ccaaagggtgc aaccaacctt cagagtcact atgatccagg 480
165 gtcagcccac aagtcttcat ggctcctgca gagtaaaagt ccaagattcc atccctggga 540
167 gctacagatt cagagacttc caagctgact ggcgaacaga gtagcaagac ttccttgtga 600
169 tcagatgaga ttacagcatc ttaggaaccc tcggacaccc ccaaaccatc agcatttaat 660
171 caacgggata tgaaccaact cctgtaactt cctaattgtg tcaccaggag aacacaaaaa 720
173 ataataaatc ataatcaat gt 742
176 <210> SEQ ID NO: 4
177 <211> LENGTH: 20
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Sense Primer
184 <400> SEQUENCE: 4
185 ttctttgcct gctgctcata 20
188 <210> SEQ ID NO: 5
189 <211> LENGTH: 20
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Antisense Primer
196 <400> SEQUENCE: 5
197 gacaaggatg agaaaacacg 20
200 <210> SEQ ID NO: 6
201 <211> LENGTH: 20
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Sense Primer
208 <400> SEQUENCE: 6
209 actccggctc cttcactatg 20
212 <210> SEQ ID NO: 7
213 <211> LENGTH: 20
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Antisense Primer
220 <400> SEQUENCE: 7
221 ctttggaatg aggacttgga 20

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/574,469

DATE: 04/17/2006
TIME: 12:29:12

Input Set : A:\SQ-AIA-113.ST25.txt
Output Set: N:\CRF4\04172006\J574469.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 6

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:4,5,6,7

VARIABLE LOCATION SUMMARY
PATENT APPLICATION: US/10/574,469

DATE: 04/17/2006
TIME: 12:29:12

Input Set : A:\SQ-AIA-113.ST25.txt
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Use of n's or Xaa's (NEW RULES):

Error Explanation: 2
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
in <220> to <223> section, please explain location of n or Xaa, and which
residue n or Xaa represents.

Seq#:1; N Pos. 6

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/574,469

DATE: 04/17/2006

TIME: 12:29:12

Input Set : A:\SQ-AIA-113.ST25.txt

Output Set: N:\CRF4\04172006\J574469.raw

L:19 M:270 C: Current Application Number differs, Replaced Current Application No
L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:39 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:1
L:39 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:1
L:39 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:1
L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0